Clint Smith

Software Engineer Open to New Opportunities
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Professional Summary

I’m a software engineer passionate about solving meaningful problems and delivering high-quality, maintainable solutions. As an individual contributor, I enjoy focusing on technical problem-solving and detailed challenges while collaborating closely with teammates to achieve shared goals.

I prefer roles that allow me to dive deep into technical work, mentor team members, and contribute to impactful projects. Leadership responsibilities such as managing high-complexity projects, overseeing teams, or crafting multi-team strategies don’t align with my strengths or professional aspirations.

My ideal environment is collaborative, supportive, and focused on meaningful work. I value clear priorities, strong leadership, and teamwork without ego—enabling me to concentrate on the aspects of engineering I love most.

Authorized to work in the US for any employer

Work Experience

Sr. Backend Engineer

Included Health (formerly Doctor On Demand)-San Francisco, CA
October 2017 to November 2024

✨ Practice Management Engineering Team

Worked on the Practice Management engineering team to transition from legacy technology to a modern, microservice-oriented architecture. This project replaced an outdated in-house EHR with a third-party system, enabling integration and greater flexibility for future innovation.

Designed and built Golang microservices to support core functionalities, such as appointment booking and patient creation. Developed Temporal workflows to handle complex integrations with the new EHR system. Implemented RPC endpoints for internal service-to-service communication, including modules for Appointments, Shift Management, and Practitioner Management. Created monitoring tools, including metrics and dashboards, to ensure system performance and reliability.

🚀 Clinical Engineering Team:

Over the past six years, I’ve played an integral part in enhancing provider experience and patient outcomes by collaborating closely with product designers and fellow engineers on the Clinical engineering team. Together, we’ve crafted top-tier tools using Python, Django, and Django Rest Framework to empower providers in delivering optimal care. Examples include: Integrating Humana Member Health Summaries into our system for Humana Members prior to each appointment using Python requests library and Celery, Upgrading most of our emails from SendGrid to ExactTarget; Autocoding member medications and allergies using Python and Celery tasks; Serializing a snapshot of member clinical data to the database on each chart sign using Django Rest Framework serializers, Fullstack implementation of Provider Payment Report Generation tool that allowed us to pay providers more reliably using Python / Django, HTML/CSS, Javascript, S3 Storage; Numerous updates to Lab Order handling (partial reports, autorelease).

💡 System Stability & Mentorship:

Assist in ensuring system stability by working on-call rotations, actively contributing to bug fixes and consistently delivering high-quality, well-tested, Python and Go code.

🔧 Software Engineer | Military Health Contracts | Innovation Barriers Analysis

BITS Cognosante-Kīhei, HI

September 2015 to October 2017

🌟 Subsequent Military Health Contracts: Surveyed and documented current innovation barriers in the Defense Health Agency. Alongside a small team, designed and implemented a prototype web application to reduce the startup overhead often associated with new development teams.

🚀 Prototype Microservices Implementation: Implemented prototype microservices, utilizing Python and Falcon Framework. These microservices facilitated the integration of legacy clinical data and medical device data with modern FHIR Server based EHR systems like MHS Genesis and Cerner Millennium.

🔧 Software Engineer | Optimal Vision Care Prototype (OVCP) | DOD/VA Vision Center of Excellence

Thao Inc-Kīhei, HI

September 2014 to September 2015

🌟 Contract Work Highlights: Contracted for one year as part of a team to develop the Optimal Vision Care Prototype (OVCP) for DOD/VA Vision Center of Excellence. The OVCP aimed to explore innovative solutions to challenges physicians encountered with modern EHRs. Our objectives were to conduct research, document designs, and gather quantitative and qualitative feedback from healthcare providers to shape the requirements for the next generation of medical software within the military.

🚀 Prototype Design Enhancement: Utilized Angular, HTML, and CSS to enhance prototype design through close collaboration with Vision Care Subject Matter Experts. Evaluated their requirements and integrated them into our application.

💡 Structured Data Entry Control: Designed and implemented a structured data entry control enabling clinicians to combine free text and structured data into a single input field.

🌟 Usability Testing and Improvement: Rapidly and efficiently integrated feedback from usability testers, resulting in substantial enhancements in usability and design effectiveness. Through three rounds of testing, we achieved a remarkable 66% improvement in our scores.

🔧 Software Developer | Microfluidics Technology Enhancement | Software Development Leadership

HNU Photonics-Kahului, HI

June 2012 to September 2014

🌟 Investor Engagement: Contributed to grabbing investors' attention for company-acquired microfluidics technology by delving into the legacy C# codebase, implementing new features, and introducing improvements. This facilitated effective showcasing of the technology's capabilities and potential by our researchers.

🚀 Technology Design Improvement: Enhanced microfluidics technology design by collaborating with scientists and engineers on experimentation to quantify limitations of current designs.

💡 Software Development Practices Pioneering: Pioneered the establishment of software development practices within the company, addressing the absence of structured methodologies and frameworks. This initiative aimed at enhancing efficiency and productivity in software development processes.

📄 Software Developer | Plasma Etching Control System | UI Development

Dynamic Concepts

August 2011 to May 2012

🌟 Meeting Delivery Time: Contributed to meeting the delivery time of a Plasma Etching control system by documenting interfaces and collaborating with the Architect to complete the UI using C#. This ensured timely delivery of the project while maintaining high standards of quality and functionality.

💼 Elevated Company Image: Showcased and elevated the company image by developing a new website that reflected the professionalism of the organization. The website design emphasized the company's brand identity and enhanced its online presence, leaving a positive impression on visitors.

🛡 Security Systems Technician | Exceptional Customer Service in Security Systems

Security Tech-Kīhei, HI

January 2011 to September 2011

🌟 Exemplary Customer Care: Provided outstanding customer service by seamlessly installing, repairing, and maintaining residential and commercial security systems, with a specialized focus on sophisticated security camera systems. Managed all aspects of the process, from running wiring in new and existing structures to programming, setup, and thorough demonstrations for customers.

💡 Technical Expertise and Communication: Utilized technical expertise to program and configure systems, ensuring optimal functionality and performance. Effectively communicated complex concepts to customers during demonstrations, empowering them to maximize the benefits of their security systems.

🤝 Respectful Resolution: Demonstrated adeptness in handling challenging situations with grace and professionalism, effectively addressing concerns and satisfying even the toughest customers while upholding respect and integrity.

Software Developer

Adaptive Technologies Corp-Kīhei, HI

June 2009 to January 2011

🌟 Enhanced Battery Metrics Legibility: Crafted a cross-platform solution using C++ and Qt to parse serial data from a Battery Management System, significantly improving the legibility of battery metrics. The user-friendly interface streamlined data interpretation for enhanced usability.

📡 Radiometric Simulation Streamlining: Streamlined complex radiometric simulation calculations from a cumbersome spreadsheet to a user-friendly interface. Introduced a cross-platform C++ library that revolutionized the calculation process, enhancing efficiency and accessibility.

Software Developer

Launchcore Inc-Kīhei, HI

August 2008 to January 2009

Swiftly acquired expertise in mobile development and collaborated with content creators to successfully launch two engaging mobile gaming applications for children within a span of six months:

🎄 Jingle Jumble

🐅 Jumbalu Zoo

Utilized Objective-C and the iOS Development platform for development. Skills and technologies include: Objective-C Programming, iOS SDK, Xcode IDE, App Store Deployment, Apple Sound Libraries, User Interface Design, Collaboration and Communication

Software Developer

Textron Defense Systems-Kīhei, HI

February 2000 to June 2008

🧑‍💻 Software Developer

June 2004 - June 2008

• Supported contracts with UI development: Using Microsoft Foundation Classes (MFC), C++, and TCL, supported contracts by developing UI applications to control optical systems, including modifying C DLLs to integrate VxWorks realtime system with LabView frontend, mirror automation, photon detection sensor systems, and automatic camera gain control.

• Successfully replaced signal digitizers: Having no prior experience with embedded hardware, successfully replaced signal digitizers with a Pentek product and integrated them into a sophisticated data acquisition system used for laser radar operations.

• Improved Laser Safety System by reprogramming the PLC Ladder Logic.

🔧 Sr. Electro-Optic Technician

February 2000 - June 2004

• Ensured the success of our team missions by performing maintenance and operation of all systems pertaining to satellite missions with a CO2 Laser Radar system.

• Duties included laser alignment, alignment of complex optical systems used in the receiver, laser maintenance, system operation, and data gathering.

Laser Service Engineer

Trumpf Inc-Dallas, TX

October 1997 to December 1999

🔧 Installed, maintained, and repaired multiple-kilowatt CO2 Laser Cutting Systems at customer sites nationwide. Led installation processes, including directing riggers, anchoring, unpacking, re-energizing, alignment, testing, and providing on-site customer training.

Engaged in extensive customer interaction, fostering strong relationships and managing expectations regarding project timelines and completion dates. Traveled to customer sites to troubleshoot and resolve issues, ensuring maximum productivity and satisfaction.

🔬 Manufacturing Technician | Die Attach Specialist

Intel Corporation-Chandler, AZ

September 1996 to October 1997

Meticulously operated die attach machines and cure ovens, which were a vital precursor to adhering the delicate chips, sourced from sawn wafers, onto packages before wire bonding.

Embraced the challenge of nightly shifts lasting up to 12 hours, ensuring the seamless execution of each step in the assembly process.

Education

Continuing Education in Computer Science

Regis University - Denver, CO

January 2016 to January 2018

Associate of Applied Science in Laser Electro-Optics

Texas State Technical College - Waco, TX

September 1994 to May 1996

Skills

- Go (1 year)
- Git (7 years)
- Software development (10+ years)
- Javascript (2 years)
- C (2 years)
- APIs (3 years)
- JSON (7 years)
- Microservices (1 year)
- C# (1 year)
- Django Rest Framework (3 years)
- C++ (4 years)

- REST (3 years)
- Django (6 years)
- Python (6 years)

Links

http://stackexchange.com/users/72890/csmithmaui

https://www.linkedin.com/in/clintsmithmaui